



**RICE** 

ENGINEERING

Oct. 20, 2014

105 School Creek Trail

Luxemburg, WI 54217

Phone: 920.845.1042

Fax: 920.845.1048

www.rice-inc.com

Texas Firm No: F-2183

Registration No: 81248

L. David Rice

1. Installations depicted comply with the International Building Code (IBC), the limitations and calculations within the ANSI/AF&PA NDS (National Design Specifications) 2012 ASD method and the ADM (Aluminum Design Manual) 2010 ASD method for design wind pressures and overall sizes listed in the following table.

Maximum Size Design Pressure 60" × 36" +/- 80 psf

- 2 The products depicted in this drawing have not been proven for resistance to wind-borne debris and are thus approved for impact.
- 3. Wood screws shall be used for a wood substrate. Wood screw materials and dimensions shall meet the requirements of ANSI / AF&PA NDS (National Design Specifications) 2012 and ANSI / ASME Standard

Self Drilling Screws (Buldex TeK<sup>TM</sup>) shall be used for steel stud substrate. TeK<sup>TM</sup> screw materials and dimensions shall meet the requirements of ASTM Standard Specifications for Carbon Bolts and

Powers Tapper+™ Anchors shall be used for Concrete and CMU substrate . Anchor materials and dimensions shall meet the requirements of ICC-ES AC106 - Acceptance Criteria for Predrilled Fasteners (Screw Anchors) in Concrete or Masonry Elements, Tapper+TM Anchor Length shall be sufficient to guarantee Embedment listed . Install concrete anchors per manufacturer's instructions.

- 4 Calculations provided with drawings are based only on tested design pressure for wind loading.
- 5. Wood buck installations are assumed 2x S-P-F (G=0.42) or denser. Buck width shall be greater than the window frame width. Tapered or partial bucks are not allowed. Wood buck shall be secured to the structure to resist all design loads.

Steel Stud installations assume 18 gauge 33 KSI studs and follow AISI Cold-Formed Steel Design Manual (2002 Edition) rules and procedures.

Concrete Masonry installations are assumed at least ASTM C90 Hollow masonry units with 1–1/4" wall thickness or normal weight concrete with a minimum compressive strength of fc=3,000 psi.

- 6. Maximum shim thickness of 1/4" permitted at each fastener location. Shims shall be non-compressible and load bearing type.
- 7 These drawings depict the details necessary to meet structural load requirements. Continuous perimeter seal required..
- 8. 4" Max. edge distance from corner of window.
- 9 Provide Glass Setting Blocks at 1 points.
- 10. Fasteners shall not be installed through the thermal break nor within 3/8" of the thermal break.

Description

Date

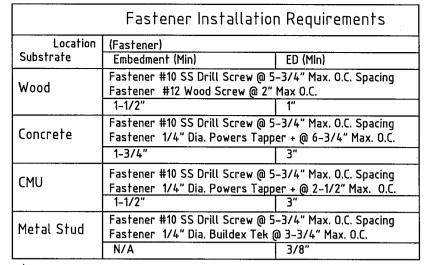
NTS K. Snader Winco Window Co. 6200 Maple Ave. St. Louis ,Mo. 63130 **PHONE** FAX (314)725-8088 (314)725-1419

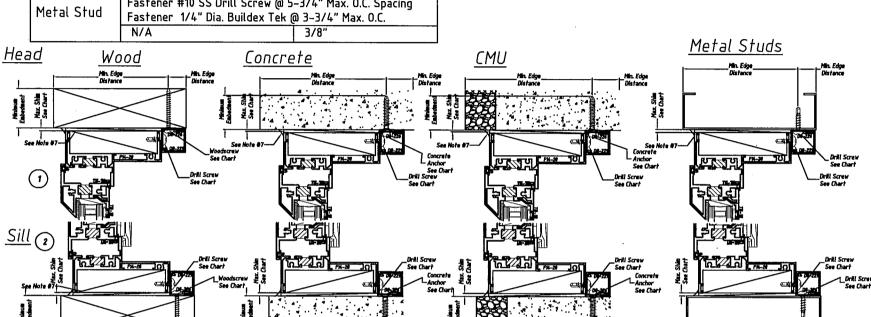
Rev.

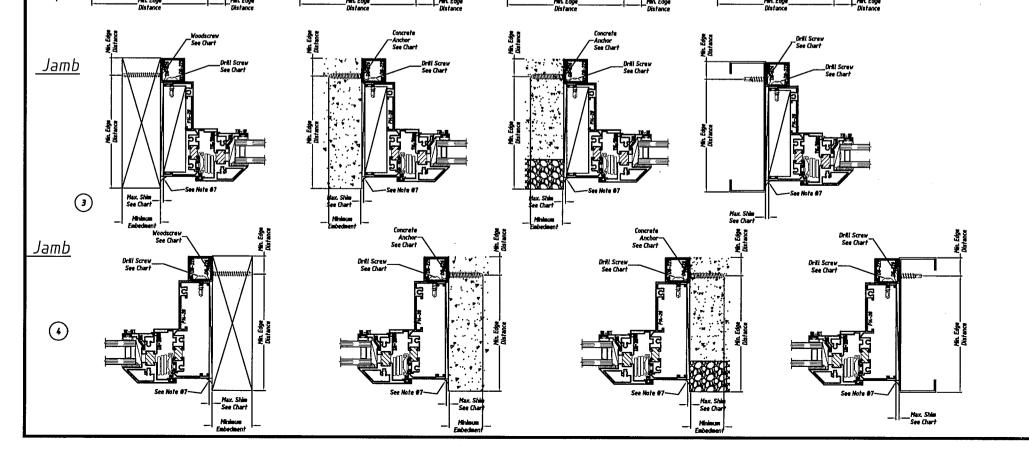
1450S PO – Receptor

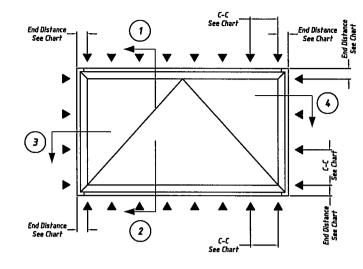
Single Hung

Non Impact









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### Notes:

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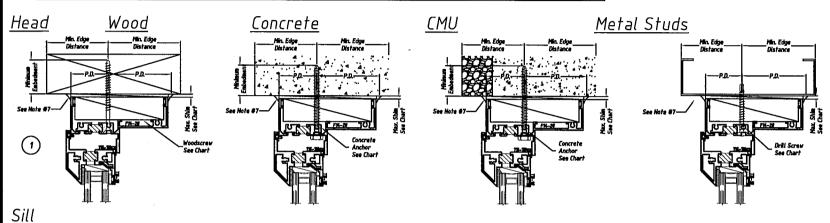
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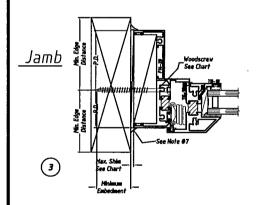
Rev.	Description	Date			
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Scale:	Drawn by:				
NTS K. Snader					
Winco Window Co. 75					
6200 Maple Ave.					
St. Louis ,Mo. 63130 PHONE FAX					
(314)	725-8088 (314)725-1419				
WINCO Product: 1450S PO - Trim Clip					
Configuration: Single Hung					
Certific	ation:				

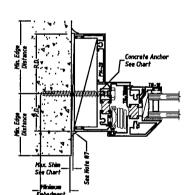
Non Impact

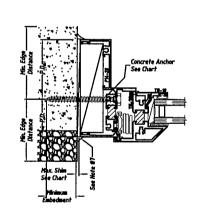
Faste	ener Installation Re	quirements		
Location Substrate	Head and Jamb (Fastener) Embedment (Min) ED (MIn) PD (Min)			
	#12 Wood Screw @ 5-1/2"		10 (1111)	
Wood	1-1/2"	1"	1-1/2"	
Concrete	1/4" Dia. Powers Tapper + @ 10" Max. O.C.			
Concrete	1-3/4"	3"	1–1/4"	
CMU	1/4" Dia. Buildex Powers Tapper + @ 3–1/2" Max. O.C.			
CMO	1-1/2"	3"	1-1/2"	
Matal Stud	1/4" Dia. Buildex Tek @ 9–1/2" Max. O.C.			-
Metal Stud	N/A	3/8"	1-1/4"	

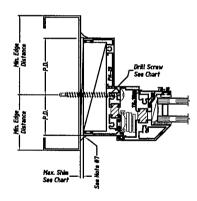


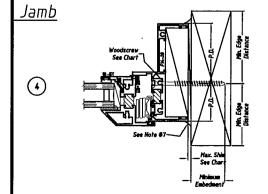
# FOR SILL DETAILS SEE 1450S RECEPTOR DRAWINGS

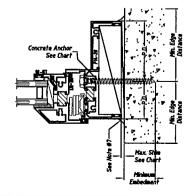


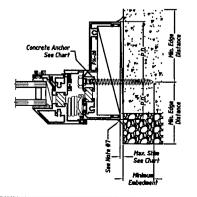


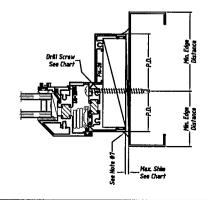


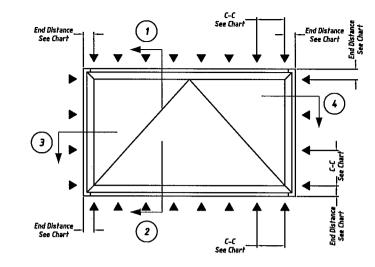












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Scale: Drawn	h.v.				
NTC I	nader				
6200 Maple Ave. St. Louis ,Mo. 63130 PHONE FA (314)725-8088 (31 WINCO Product:	4)725-1419				
1450S PO - Trim Clip					
Configuration: Single Hung					
Certification: Non 1	mpact				